6353878	March 2002	Dunham	711/162
6393483	May 2002	Latif et al.	709/226
6393519	May 2002	Fujimoto et al.	711/113
6421711	July 2002	Blumenau et al.	709/213

OTHER PUBLICATIONS

SCSI Primary Commands-2 (SPC-2) Working Draft, pp: 49-86, May 21, 2000.* Pathlight & Computer Associates, "Pathlight and CA Deliver Server-Free Backup," (Apr. 2000) pp:2-7.*

M. Nicolett; "SAN Exploitation for Backup: Will you go Serverless?"; Sep. 16, 1999; Gartner Group, Inc.

ART-UNIT: 2187

PRIMARY-EXAMINER: Sparks; Donald

ASSISTANT-EXAMINER: Takeguchi; Kathy

ATTY-AGENT-FIRM: Townsend and Townsend and Crew LLP

ABSTRACT:

The present invention provides a method, a system and code for backing up information on a storage system, for example, a disk system, connected to a storage area network. The host or server system off loads the task of backing up its data to to the storage system that stores the data. In an exemplary embodiment a server sends an E-copy command to a disk system. Next, the disk system finds an available back-up device, for example, a tape or DLT library, and then backs-up the information indicated in the E-copy command to the back-up device. A user interface is provided so that one or more path groups, comprising at least a target port and an initiator port, on a disk system may be designated.

33 Claims, 13 Drawing figures

bad date

First Hit Fwd Refs End of Result Set



L1: Entry 1 of 1

File: USPT

Apr 27, 2004

US-PAT-NO: <u>6728848</u>

DOCUMENT-IDENTIFIER: US 6728848 B2

TITLE: Method and system for backing up storage system data

DATE-ISSUED: April 27, 2004

INVENTOR-INFORMATION:

ZIP CODE NAME CITY STATE COUNTRY Tamura; Keishi Odawara JΡ Okami; Yoshinori JP Odawara Abei; Hiroshi Yokohama JΡ Ogata; Mikito Odawara JΡ

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

Hitachi, Ltd. Tokyo JP 03

APPL-NO: 09/ 879663 [PALM]
DATE FILED: June 11, 2001

INT-CL: $[07] \underline{G06} \underline{F} \underline{12/00}$

US-CL-ISSUED: 711/162; 711/161, 707/204 US-CL-CURRENT: 711/162; 707/204, 711/161

FIELD-OF-SEARCH: 711/162, 711/161, 711/114, 711/154, 711/156, 345/734, 345/735,

345/736, 707/204

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS



PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
5544347	August 1996	Yanai et al.	395/489
5729761	March 1998	Murata et al.	710/14
5890204	March 1999	Ofer et al.	711/111
6009466	December 1999	Axberg et al.	709/220